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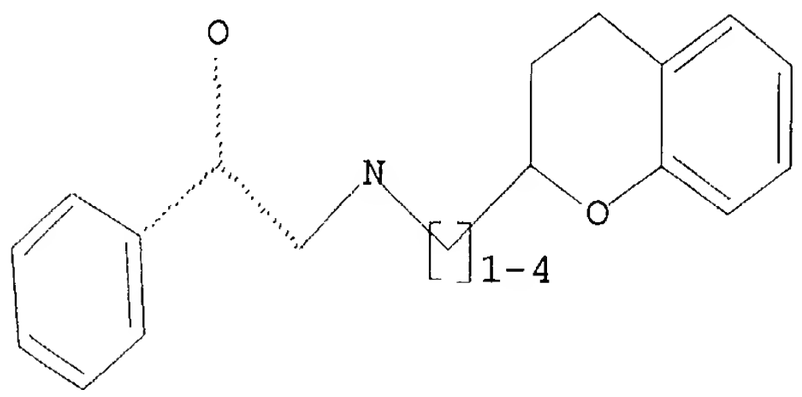
L1 HAS NO ANSWERS
L1 STR



G1 X,NO2,SO2,H,Ak
G2 O,S,N,C

Structure attributes must be viewed using STN Express query preparation.

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FULL SEARCH INITIATED 18:09:45 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1888 TO ITERATE

100.0% PROCESSED 1888 ITERATIONS 45 ANSWERS
SEARCH TIME: 00.00.01

L2 45 SEA SSS FUL L1

=> file registry
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	156.68	156.89

FILE 'REGISTRY' ENTERED AT 18:09:48 ON 20 AUG 2004

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 18 AUG 2004 HIGHEST RN 728239-10-9
DICTIONARY FILE UPDATES: 18 AUG 2004 HIGHEST RN 728239-10-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> file caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	157.31

FILE 'CAPLUS' ENTERED AT 18:09:50 ON 20 AUG 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 20 Aug 2004 VOL 141 ISS 8
FILE LAST UPDATED: 18 Aug 2004 (20040818/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l2
L3 7 L2

=> d l3 1-7

L3 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:832787 CAPLUS
DN 137:337786
TI Preparation of chiral alkylaminochroman derivatives as β3-adrenoreceptor agonists
IN O'Connor, Stephen J.; Ladouceur, Gaetan H.; Bullock, William H.; Campbell, Ann-Marie; Dai, Miao; Dally, Robert; Dumas, Jacques; Hatoum-Mokdad, Holia N.; Khire, Uday; Lee, Wendy; Liu, Qingjie; Lowe, Derek B.; Magnuson, Steven R.; Qi, Ning; Shelekhin, Tatiana E.; Shen, Quanrong; Smith, Roger A.; Wang, Ming
PA Bayer Corporation, USA
SO PCT Int. Appl., 193 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002085891	A1	20021031	WO 2002-US12940	20020422

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

	US 2003078260	A1	20030424	US 2002-131448	20020422
	US 6660752	B2	20031209		
	EP 1389202	A1	20040218	EP 2002-723958	20020422
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	US 2004072828	A1	20040415	US 2003-666903	20030917
PRAI	US 2001-285719P	P	20010423		
	US 2001-324518P	P	20010926		
	US 2002-131448	A1	20020422		
	WO 2002-US12940	W	20020422		

OS MARPAT 137:337786
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:808431 CAPLUS
DN 137:310812
TI Preparation of carboxyalkylchromans as β-3 adrenoreceptor agonists
IN Connell, Richard D.; Lease, Timothy G.; Baryza, Jeremy
PA Bayer Corporation, USA
SO U.S., 17 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6469031	B1	20021022	US 1998-216512	19981218
	US 2003013705	A1	20030116	US 2002-225811	20020821
PRAI	US 1997-113659P	P	19971219		
	US 1998-216512	A1	19981218		

OS MARPAT 137:310812
RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:421678 CAPLUS
DN 131:58750
TI Preparation of carboxyl-substituted chroman derivatives useful as beta-3 adrenoreceptor agonists
IN Connell, Richard D.; Lease, Timothy G.; Baryza, Jeremy
PA Bayer Corporation, USA
SO PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9932476	A1	19990701	WO 1998-US26735	19981216
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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	AU 9918300	A1	19990712	AU 1999-18300	19981216
	AU 749097	B2	20020620		
	EP 1040106	A1	20001004	EP 1998-963240	19981216

	EP 1040106	B1	20020828		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	BR 9814302	A	20001010	BR 1998-14302	19981216
	TR 200001927	T2	20010621	TR 2000-200001927	19981216
	JP 2001526282	T2	20011218	JP 2000-525413	19981216
	AT 222901	E	20020915	AT 1998-963240	19981216
	NZ 505200	A	20020927	NZ 1998-505200	19981216
	PT 1040106	T	20021129	PT 1998-963240	19981216
	ES 2183434	T3	20030316	ES 1998-963240	19981216
	RU 2223269	C2	20040210	RU 2000-119110	19981216
	NO 2000003083	A	20000815	NO 2000-3083	20000615
	BG 104593	A	20010928	BG 2000-104593	20000711
PRAI	US 1997-994620	A	19971219		
	WO 1998-US26735	W	19981216		

OS MARPAT 131:58750

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:421677 CAPLUS

DN 131:73558

TI Preparation of chromansulfonamides as β-3 adrenoreceptor agonists

IN Ladouceur, Gaetan H.; Connell, Richard D.; Baryza, Jeremy; Campbell, Ann-Marie; Lease, Timothy G.; Cook, James H.

PA Bayer Corporation, USA

SO PCT Int. Appl., 95 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9932475	A1	19990701	WO 1998-US24627	19981117
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	ZA 9810489	A	19990520	ZA 1998-10489	19981117
	CA 2314925	AA	19990701	CA 1998-2314925	19981117
	AU 9914183	A1	19990712	AU 1999-14183	19981117
	AU 751015	B2	20020808		
	EP 1054881	A1	20001129	EP 1998-958070	19981117
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	JP 2001526281	T2	20011218	JP 2000-525412	19981117
	TW 502032	B	20020911	TW 1998-87118968	19981117
	US 6051586	A	20000418	US 1998-199014	19981123
	US 2003073839	A1	20030417	US 2000-520201	20000307
	US 2004072843	A1	20040415	US 2003-667286	20030919
PRAI	US 1997-994585	A	19971219		
	US 1997-122061P	P	19971219		
	WO 1998-US24627	W	19981117		
	US 1998-199014	A3	19981123		
	US 2000-520201	B1	20000307		

OS MARPAT 131:73558

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1970:100615 CAPLUS
DN 72:100615
TI β-Adrenergic blocking agents. VII. 2-(1,4-Benzodioxanyl) and 2-chromanyl analogs of pronethalol [2-isopropylamino-1-(2-naphthyl) ethanol]
AU Howe, Ralph; Rao, Balbir S.; Chodnekar, M. S.
CS Pharm. Div., Imp. Chem. Ind. Ltd., Macclesfield, UK
SO Journal of Medicinal Chemistry (1970), 13(2), 169-76
CODEN: JMCMAR; ISSN: 0022-2623
DT Journal
LA English

L3 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1966:19191 CAPLUS
DN 64:19191
OREF 64:3493h,3494a-d
TI Coumarin derivatives
PA Etablissements Clin-Byla
SO 6 pp.
DT Patent
LA Unavailable
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 1007624		19651013	GB	
PRAI	FR		19640403		

L3 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1966:19190 CAPLUS
DN 64:19190
OREF 64:3493f-h
TI Substituted 2-aminoethanols
PA Imperial Chemical Industries Ltd.
SO 21 pp.
DT Patent
LA Unavailable
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	NL 6500863		19650726	NL	
PRAI	GB		19640124		
	GB		19641221		

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L3 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
IT **26946-23-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 26946-23-6 CAPLUS
CN 2-Chromanmethanol, α-[[(β-hydroxy-α-methylphenethyl)amino]methyl]-, oxalate (1:1) (8CI) (CA INDEX NAME)

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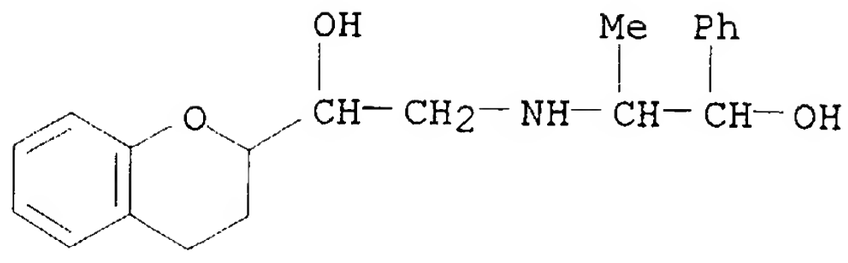
CRN 4610-24-6
CMF C20 H25 N O3



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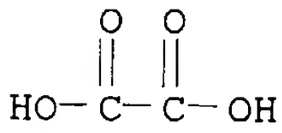
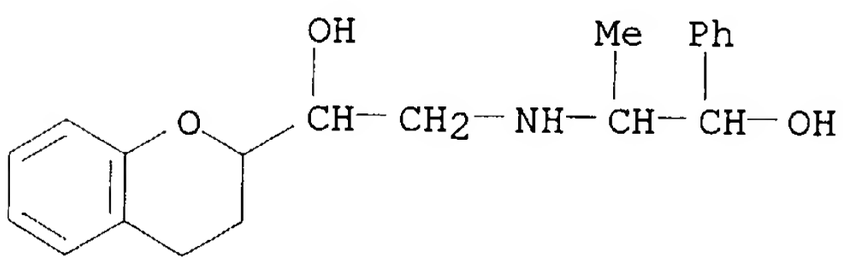
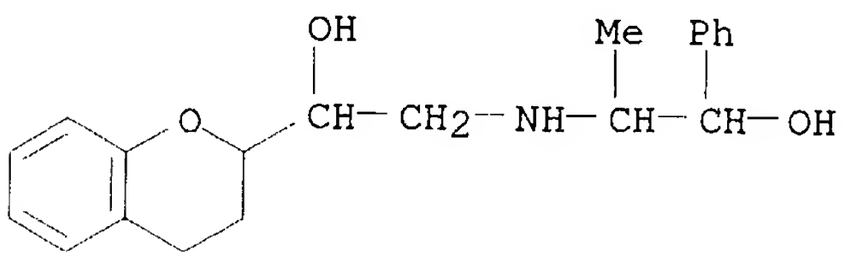


L3 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
IT **4610-24-6**, 2-Chromanmethanol, α-[[(β-hydroxy-α-methylphenethyl)amino]methyl]-
(preparation of)
RN 4610-24-6 CAPLUS
CN 2-Chromanmethanol, α-[[(β-hydroxy-α-methylphenethyl)amino]methyl]- (7CI, 8CI) (CA INDEX NAME)



L3 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
IT **4610-24-6**, 2-Chromanmethanol, α-[[(β-hydroxy-α-methylphenethyl)amino]methyl]- **4626-90-8**, 2-Chromanmethanol, α-[[(β-hydroxy-α-methylphenethyl)amino]methyl]-, oxalate
(preparation of)
RN 4610-24-6 CAPLUS
CN 2-Chromanmethanol, α-[[(β-hydroxy-α-methylphenethyl)amino]methyl]- (7CI, 8CI) (CA INDEX NAME)



RN 4626-90-8 CAPLUS
CN 2-Chromanmethanol, α-[[(β-hydroxy-α-methylphenethyl)amino]methyl]-, oxalate (8CI) (CA INDEX NAME)

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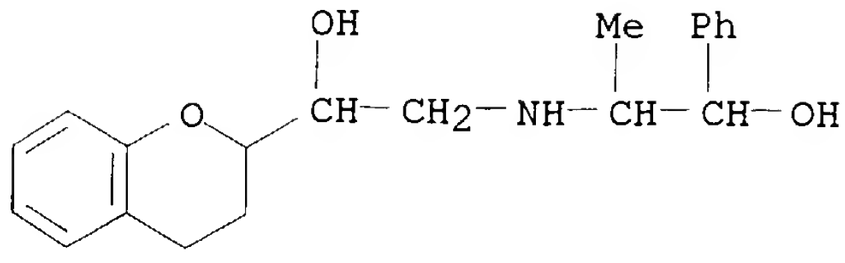
CMF C20 H25 N O3



CM 2

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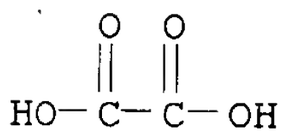

Inventor search

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E9             7     O CONNOR STEPHEN W/AU
E10            1     O CONNOR STEPHEN WILLIAM/AU
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L5   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2004 ACS on STN

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L4   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER:         2002:832787  CAPLUS
DOCUMENT NUMBER:          137:337786
TITLE:                    Preparation of chiral alkylaminochroman
                          derivatives as β3-adrenoreceptor agonists
INVENTOR(S):              O'Connor, Stephen J.; Ladouceur, Gaetan H.;
                          Bullock, William H.; Campbell, Ann-Marie; Dai, Miao;
                          Dally, Robert; Dumas, Jacques; Hatoum-Mokdad, Holia
                          N.; Khire, Uday; Lee, Wendy; Liu, Qingjie; Lowe, Derek
                          B.; Magnuson, Steven R.; Qi, Ning; Shelekhin, Tatiana
                          E.; Shen, Quanrong; Smith, Roger A.; Wang, Ming
PATENT ASSIGNEE(S):       Bayer Corporation, USA
SOURCE:                   PCT Int. Appl., 193 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
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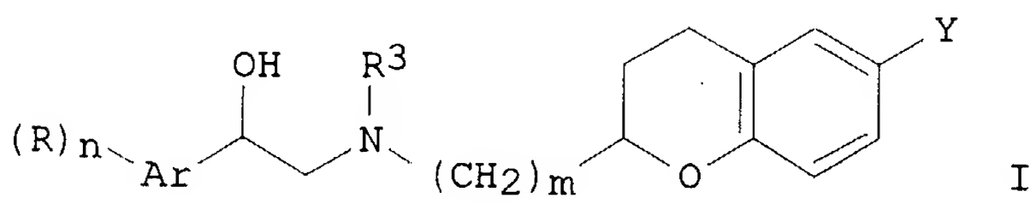
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002085891	A1	20021031	WO 2002-US12940	20020422
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003078260	A1	20030424	US 2002-131448	20020422
US 6660752	B2	20031209		
EP 1389202	A1	20040218	EP 2002-723958	20020422
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2004072828	A1	20040415	US 2003-666903	20030917

PRIORITY APPLN. INFO.:

US 2001-285719P	P	20010423
US 2001-324518P	P	20010926
US 2002-131448	A1	20020422
WO 2002-US12940	W	20020422

OTHER SOURCE(S): MARPAT 137:337786
GI



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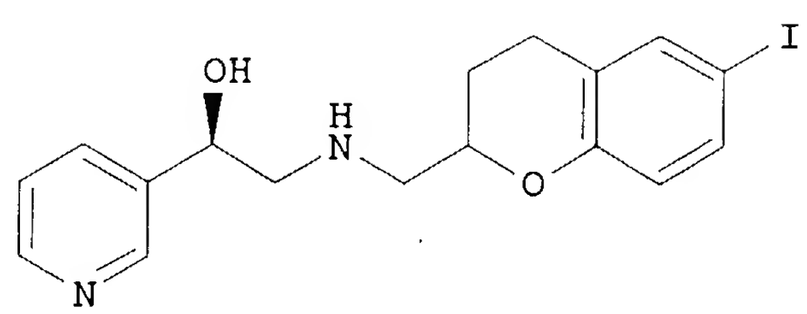

II

AB This invention relates to novel 2,6-substituted **chroman** derivs. which are useful in the treatment of β3-adrenoreceptor mediated conditions. Title compds. I [wherein R = independently OH, :O, halo, CN, NO2, (halo)alkyl, CF3, NR1R1, SR1, OR1, SO2R2, OCOR2, NR1COR2, COR2, NR1SO2R2, or (un)substituted Ph or heterocyclyl; R1 = independently H, (CH2)mO(CH2)mR5, or (un)substituted (cyclo)alkyl, Ph, or naphthyl; or NR1R1 = heterocyclyl; R2 = independently R1, OR1, NR1R1, or (un)substituted NHSO0-2-Ph, NHSO0-2-naphthyl, NHSO0-2-alkyl, or heterocyclyl; R3 = H, alkyl, or COR3; R4 = H, alkyl(phenyl), or alkylpyridyl; R5 = H or CO2H; R6 = H or (un)substituted alkyl or alkyl-SO0-2-alkyl; Ar = Ph or (fused) hetero(aryl); Y = halo, NO2, R6, SR1, SO0-2C6H4CO2R1, (CONR4CR4R4)pCO2R1, or (un)substituted Ph or heterocyclyl; m = 1-3; n = 0-5; p = 1 or 2; and pharmaceutically acceptable salts and esters thereof] were prepared as β3-adrenoceptor

agonists. For example, coupling of (2R)-6-iodo-3,4-dihydro-2H-chromene-2-carboxylic acid and (1R)-2-amino-1-(3-pyridinyl)ethanol•2HCl with 1-hydroxybenzotriazole, 1-(3-dimethylaminopropyl)-3-ethylcarbodiimide•HCl, and TEA in CH2Cl2 gave the amide (74%). Reduction using borane-dimethylsulfide complex in THF afforded the **chromanmethaneamine** II (84%). Over one hundred compds. of the invention demonstrated β3-adrenergic receptor agonist activity with EC50 values ≤ 1μM. I are useful in the treatment of β3-adrenergic receptor mediated conditions, including obesity, diabetes, gastrointestinal disorders, cardiovascular disorders, and urinary disorders (no data).

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:465994 CAPLUS
DOCUMENT NUMBER: 137:33326
TITLE: Preparation of chiral **alkylaminochroman** derivatives as β3 adrenoreceptor agonists
INVENTOR(S): Ladouceur, Gaetan H.; Bullock, William H.; Magnuson, Steven R.; **O'Connor, Stephen J.**; Smith, Roger A.; Shen, Quanrong; Liu, Quingjie; Su, Ning; Velthuisen, Emil J.; Campbell, Ann-Marie; Ehrlich, Paul P.
PATENT ASSIGNEE(S): Bayer Corporation, USA
SOURCE: PCT Int. Appl., 139 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002048134	A2	20020620	WO 2001-US46623	20011207
WO 2002048134	A3	20030206		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002028816	A5	20020624	AU 2002-28816	20011207
US 2003078258	A1	20030424	US 2001-8928	20011207
US 6699860	B2	20040302		
EP 1343778	A2	20030917	EP 2001-989934	20011207
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004524286	T2	20040812	JP 2002-549665	20011207
PRIORITY APPLN. INFO.:			US 2000-254735P P	20001211
			WO 2001-US46623 W	20011207

OTHER SOURCE(S): MARPAT 137:33326
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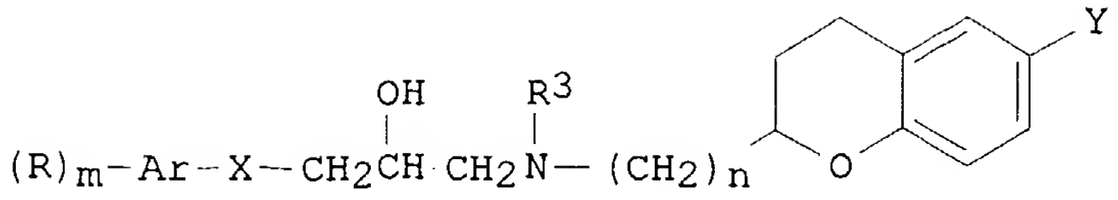

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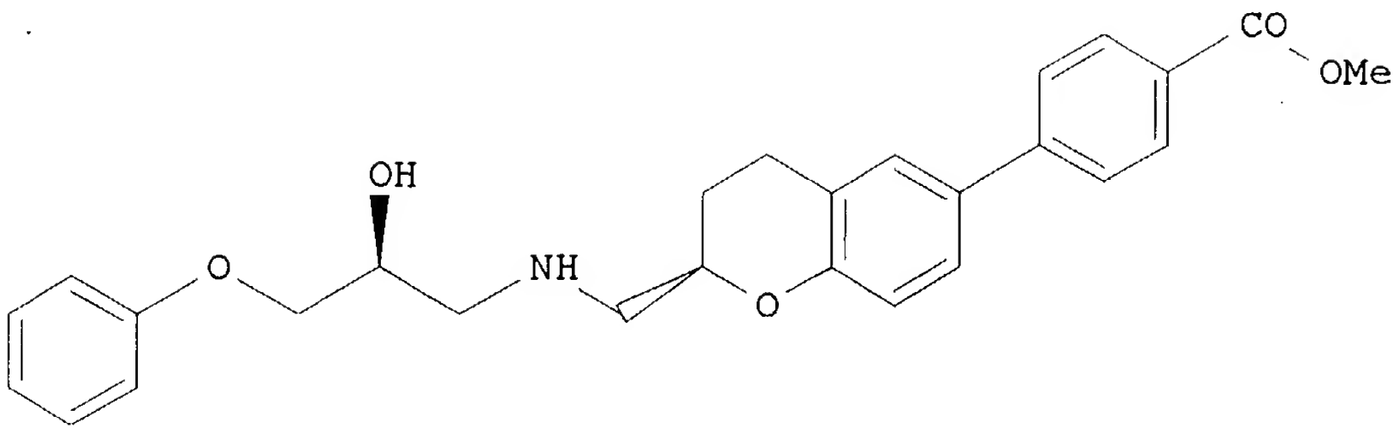

AB Title compds. [I; Ar = C6H5, heterocycle, benzoheterocycle; Y = halo, OR1, COOR1, CH2CH2COOH, 4-C6H4COOH, 4-C6H4COOCH3, 3-C6H4COOH, 2-naphthyl-6-carboxylic acid, etc.; m = 0, 1, 2, 3, 4, 5; n = 1, 2, 3; X = O, S, S:O, SO2; R = OH, halo, CN, NO2, CF3; R1 = H, (CH2)nO(CH2)nCOOH, (CH2)nO(CH2)nH; R2 = R1, OR1, NR1R1, alkoxy, halo, NO2; R3 = H, alkyl, C6H5CH2, COR2] are prepared as β3 adrenergic receptor agonists. Title compds. I are useful in a pharmaceutical composition for the treatment of diabetes, impaired fasting glucose, impaired glucose tolerance, obesity, hypertriglyceridemia, hypercholesterolemia, hypercholesterolemia, lowering high-d. lipoprotein levels, atherosclerosis, cardiovascular diseases and related diseases, gastrointestinal disorders, neuro genetic inflammation, ocular hypertension, glaucoma, urol. disorders, benign prostatic hyperplasia, and, incontinence. Thus, the title compound II was prepared from (2R)-t-iodo-3,4-dihydro-2H-**chroman**-2-carboxylic acid, Me 4-iodobenzoate, and (2S)-1-amino-3-phenoxy-2-propanol via reduction and condensation. The title compound II was tested for β3 agonistic activity with EC50 ≤ 1μM.

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1997:44662 CAPLUS
DOCUMENT NUMBER: 126:59751
TITLE: Preparation of di- and tricarboxybenzamides and analogs as squalene synthetase and protein farnesyltransferase inhibitors
INVENTOR(S): Baker, William R.; Rosenberg, Saul H.; Fung, K. L. Anthony; Rockway, Todd W.; Fakhoury, Stephen A.; Garvey, David S.; Donner, B. Gregory; **O'Connor, Stephen J.**; Prasad, Rajnandan N.; Shen, Wang; Stout, David M.; Sullivan, Gerard M.
PATENT ASSIGNEE(S): Abbott Laboratories, USA
SOURCE: PCT Int. Appl., 241 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9634851	A1	19961107	WO 1996-US6193	19960502
W: AU, CA, JP, KR, MX				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5783593	A	19980721	US 1996-633262	19960429
AU 9656731	A1	19961121	AU 1996-56731	19960502
PRIORITY APPLN. INFO.:			US 1995-429095	19950503
			US 1996-633262	19960429
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			US 1994-289711	19940909
			US 1994-322783	19941018
			WO 1996-US6193	19960502

OTHER SOURCE(S): MARPAT 126:59751

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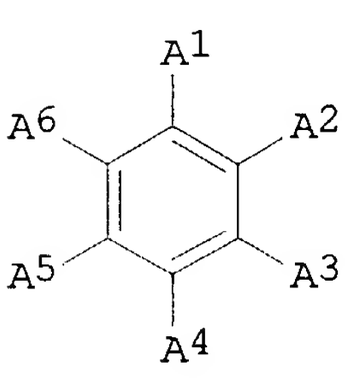

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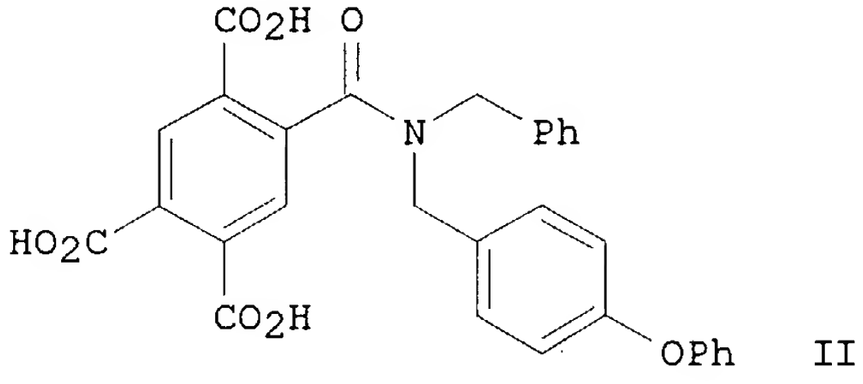

II

AB Title compds. [e.g., I; A1 = ZCONR1R2; A2,A4, and A5 or A2 and A4 or A3and A4 = (protected) CO2H and the other An = H; R1 = (chloro)benzyl, (CH2)2-4Ph, CH2C6H4(OPh)-4; R2 = (CH2)1-2C6H4(OPh)-4; Z = bond, NR, O; R = H, (cyclo)alkyl, aralkyl, cycloalkylalkyl] were prepared Thus, 4-(PhO)C6H4CHO was reductively aminated by H2CH2Ph and the product amidated by 1,2,4,5-benzenetetracarboxylic dianhydride to give title compound II. Data for in vitro inhibition of protein farnesyltransferase by selected I were given.